

4-1-1999

The Technologist (1999)

School of Technology

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Recommended Citation

School of Technology, "The Technologist (1999)" (1999). *The Technologist: School of Technology Alumni Newsletters*. 15.
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School of Technology Program Extended to International Settings

Vaxjo University, Sweden and Eastern Illinois University have entered into a formal student exchange program that was implemented for the first time this spring semester. Two Swedish exchange students spent 4 weeks at the General Electric plant in Mattoon, Illinois to complete their degree projects. Initial plans are now being finalized for Dr. Mahyar Izadi, and up to ten students, to travel to Vaxjo University this fall semester for a week of teaching, industry visits, and class attendance. This will be the first time the School of Technology has extended its program, faculty, and students to an international setting, and hopefully these efforts will continue.

Recently, the Swedish government separated three universities from their original incorporation to become free-standing universities. Vaxjo University was once an affiliate of Lund University, Karlstad University formerly with Goteborg University, and Orebro University now separate from Uppsala University. These universities are now regarded as comprehensive and include the sciences and mathematics, liberal arts, technology, teacher education, business, and associated academic fields of study. During the Fall of 1998, Dr. Strandberg and Dr. Izadi visited the Vaxjo University where Dr. Izadi consulted in the area

of Industrial Technology curriculum development.

Vaxjo University has started a large building program and has expanded its student population with a target of 10,000 within a few years. The technology program has grown in both national and international population with many classes being taught in English because of the large number of international students. This growth has encouraged the liaisons among faculty and students from both universities.

Three faculty members from Orebro University; Peter Wide, Monica Wettler, and Lennart Philipson, visited Eastern's campus last fall to begin cooperative educational activities. Technology is a very strong part of this university's academic structure with particular emphasis on manufacturing technology.

In addition to the Swedish program, three faculty from Satakunta Polytechnic University, Pori, Finland, visited the School of Technology last fall. They were Jukka P. Aarnio, Lilsa Karinen, and Jarmo Karinen, all engineering professors at the university. This university is a member of the Magellan Group and another exchange study site for our School of Technology.

Note from Dean Ivarie

Quality Continues in the School of Technology

July 1 marks another major milestone in the evolution of the School of Technology. At that time, Dr. Mahyar Izadi will become Chair and Dr. Charles E. Coddington, the incumbent, will assume full-time professorial responsibilities. Dr. Izadi joined the School of Technology as an Assistant Professor in 1989 and has established an impressive record of achievement as a teacher, scholar, and professional leader. He is currently Coordinator of Industrial Technology in the School of Technology, and he is also serving as President of the Research Division of the National Association of Industrial Technology. When Dr. Coddington announced his intention to relinquish his administrative assignment as Chair, a national search was launched for his successor. From an impressive array of applicants, four were invited for campus interviews. As a result of that rigorous process, Dr. Izadi was appointed.

The School of Technology is among a select group of programs nationally that enjoys the benefit of accreditation by the National Association of Industrial Technology (NAIT). Initially accredited in 1983, the School applied for reaccreditation in 1998 and was visited by a site team in March, 1999. Dr. Mahyar Izadi and Ms. Sonna Lawrence deserve consid-

Continued on page 3

Faculty News...

Dr. Wafeek Wahby Joins School of Technology Faculty

Wafeek Samuel Wahby, Ph.D., B.Th. joined the School of Technology faculty this fall. Dr. Wahby holds Ph.D. and M.S. degrees in Civil Engineering as well as a Post Graduate Higher Specialization Diploma in Civil Engineering (Structural) from Alexandria University, Alexandria Egypt. He is a member of the American Concrete Institute, American Institute of Steel Construction, American Institute for Timber Construction, American Society for Engineering Education, International Conference of Building Officials and the Syndicate of Engineers (SE, Egypt). Dr. Wahby has taught at Calvin College, Engineering Department, and for the School of Engineering at Alexandria University. He has served as the Director of Soil Mechanics Laboratory and as Director, Division of Civil Engineering in Alexandria, Egypt. Most recently he has been involved with the Construction Club at Eastern and recently was keynote speaker and a presenter at The Second Middle East Symposium on Structural Composites for Infrastructure Applications. For this conference Dr. Wahby used the Egyptian Script shown above to introduce Eastern and the School of Technology to Symposium attendees. Dr. Wahby brings a wealth of experience to the School of Technology and has become very involved in all aspects of academic life.

السيد الاستاذ الدكتور / وافيقي وهبي

**Eastern Illinois University
School of Technology**

وموضوعها

Visiting International Professor

Dr. Danuta Ciesielska returned to the School of Technology at Eastern Illinois University as a visiting professor Spring 1999. She is a faculty at Division of Plastics and Rubber Processing, Department of Mechanical Engineering at Poznan University of Technology, Poland. She has been working at research on plastic recycling, and medical polymers with Dr. Ping Liu. The international collaborative research was coordinated by Dr. Gene Strandberg, with financial support from the Lumpkin College of Business and Applied Sciences, and the Faculty Development Office at Eastern Illinois University.



Faculty Awards

Dr. Ping Liu received an "Achievement and Contribution Award" in the area of research by Eastern Illinois University. This award is given annually for excellence in teaching, research or service.

Dr. John Messer was awarded the Dean's Student Advisory Board Faculty Excellence Award. The recipient of this award is selected by the students of the School of Technology and presented to the professor that they feel has helped them the most in achieving their goals.

Dr. Tom Boldrey and Dr. Joyce

Felstehausen, professors in Career Occupations for the School of Technology, received the distinguished "Big Thinker" award at the Herrmann International 6th Herrmann Brain Dominance International (HBDI) Users' Conference December 2-4, 1998. This award has been presented to only seven other Certified Users of the HBDI by Herrmann International. This honor recognized Felstehausen's and Boldrey's applied research of the Herrmann Whole Brain Model for teaching and training, performance

improvement, and career development. Previous award winners were from international as well as U.S. organizations such as General Electric Lighting, Department of the Navy, E.I. Dupont, Ciba-Geigy Corporation, Harris Corporation, and Wofford College. At the recent conference, Felstehausen and Boldrey gave a presentation "Filling in the Holes of Whole Brain Teaching and Learning" which was based on their extensive application of whole brain research.

Career Occupations...

Laura Bollan of Charleston and Kenneth "Jeff" Hesser of Danville were awarded the Eagle's Award at the 1999 Adult Student Recognition Banquet held May 10. The Eagle's Award recognizes outstanding scholarly achievement and is awarded by the Career Occupations faculty.

Patricia Mejia of Champaign was this year's recipient of the Career Occupations Student Excellence Award. This recognition is awarded by Career Occupations alumni. To be eligible for this award a student must be nominated by his or her peers and write a paper on what a "passion for excellence" means to him or her. A Career Occupations alumni committee reviews the nominees' packets of materials and determines the recipient of the award.

Also recognized at the Adult Student Recognition Banquet were Career Occupations students who were on the Lumpkin College of Business and Applied Sciences Dean List during the Spring and Fall Semester of 1998. Those receiving Dean's Circle Awards were Brett Ritter, Sherri Faith, Patricia Sherri Johnson, Amanda Moose, Bradford Wheeler, Maria Ehmann, Shari Wright, and Nancy Hamilton. Mary Thomson of Collison was awarded a certificate of Special Recognition for Student Excellence.

Betsy Miller, Academic Advisor for the School of Technology, was recognized by Career Occupations students and faculty for advisement excellence and her willingness to go the

extra mile. Laura Bollan presented the award as a student representative.

Calendar of Events

Homecoming	October 22-24
NAIT	November 17-20
Technology Exhibit	April <i>date to be announced</i>
Golf and Goat	April <i>date to be announced</i>
Scholarship Luncheon	April <i>date to be announced</i>

Development Office Activities...

Jacqueline Clapp '88, '96 accepted the position of Development Officer for the Lumpkin College of Business and Applied Sciences (LCBAS), beginning those duties in May 1998. Her previous positions include Manager of Volunteers at Sarah Bush Lincoln Health Center and District Office Manager and Legislative Aide for former State Representative Mike Weaver.

Ms. Clapp is quite familiar with Eastern having received both her undergraduate and graduate degrees from the School of Technology. She served six years on the Eastern Illinois University Alumni Association Board and served as its president in 1995 during the University's centennial.

As Development Officer, Jackie is responsible for alumni relations within the college and the development and implementation of the college's fundraising priorities. She coordinates those efforts with special emphasis on



major and deferred planned gifts. Support for this position came in part from special friends of Eastern, Mark Dronen '84 and William Hopper. This position is the first development position within the University to be solely dedicated to the needs of an academic area.

Since joining the LCBAS team, Ms. Clapp has assisted several people in making gifts to the University. One sig-

nificant gift is the establishment of the EIU Accountancy Advisory Board Endowment Fund to provide scholarship and special project support.

Ms. Clapp is available at any time to discuss gifts to the Lumpkin College of Business & Applied Sciences by contacting her at:

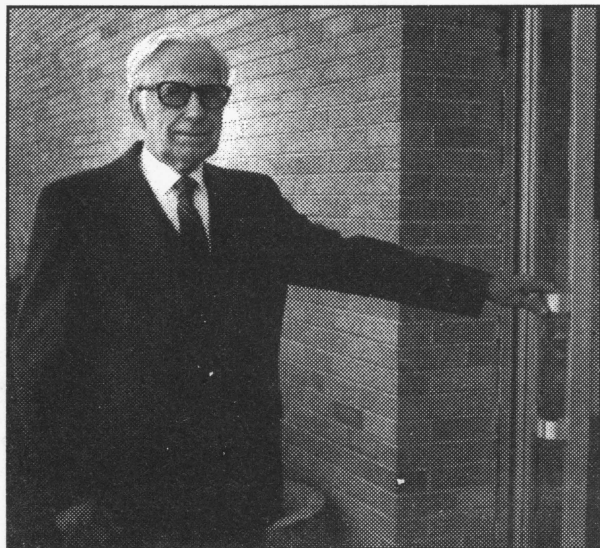
Phone: 217-581-7969

email: csjsc@eiu.edu.

Office: Lumpkin Hall—Room 325

Dean's Note continued from page 1
erable credit for preparing an outstanding self study. The process of self evaluation and review by knowledgeable peers according to generally accepted qualitative criteria provides opportunity for continued improvement, and we look forward to the possibility of continued accreditation when the team report is acted upon by the Board of Accreditation at the NAIT annual meeting.

In Tribute to Dr. Walter A. Klehm



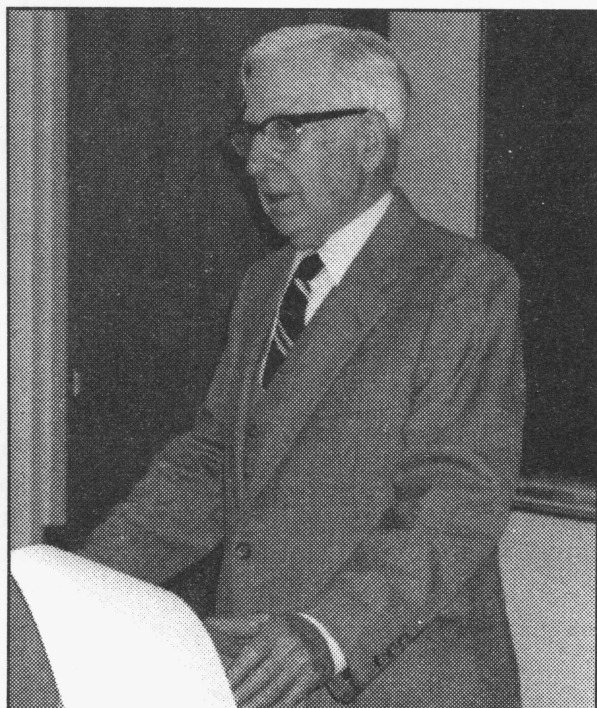
The former chairman of the Industrial Arts Department and dean of the School of Industrial Arts and Technology, Walter A. Klehm, 96, of Charleston, died at 4:30 p.m. Sunday, April 18, 1999, at his residence.

Dr. Klehm came to Eastern Illinois University as chairman of the department in 1937. He served in that position and as dean of the School of Industrial Arts and Technology until his retirement in 1970. On June 25, 1988, the Applied Sciences Building at Eastern was dedicated as Klehm Hall in his honor.

He was born Feb. 10, 1903, in Huntington, Ind., one of seven children of Henry and Elizabeth Shafer Klehm. He married Lucille Zorn in 1930 and they had one son, Merwyn Klehm of Charleston. His son and wife; one brother, Wesley Klehm of Chatsworth; and one sister, Emma Bargman of Peoria, survive him.

A past president of the Illinois Industrial Education Association, Dr. Klehm received the Association's Award of Merit in 1971 and was named an honorary member of the National Association of Industrial and

Images clockwise: Walter Klehm opens the door of the newly dedicated Klehm Hall; Dr. Klehm takes a moment to reminisce with Paula Snyder, Family and Consumer Sciences and Gene Strandberg of the School of Technology; Dr. Klehm speaks at one of the numerous Student Scholarship Receptions that he and his wife Lucille attended since his retirement; In 1993 the School of Technology faculty and students helped Walter Klehm celebrate his 90th Birthday.





After retiring Dr. Klehm maintained an interest in all of the departments of the College of Applied Sciences. Images clockwise: Dr. Klehm consults with Dr. Joyce Krouse, former chair of Family and Consumer Sciences; Dr. Richard Hofstrand from Career Occupations talks with Dr. Klehm in the early 80s; Lt. Col. Lloyd McCammon, former chair of the ROTC Department and Dr. Klehm look over the Cadet Cadre Special Events Board; and son Dr. Merwyn Klehm, Mrs. Charles (Lois) Elliott and retired faculty Dr. Robert Sonderman listen to Dr. Howard Nelm's eulogy of Dr. Klehm at this year's School of Technology Scholarship and Awards Program.



Technical Educators. He was also a member of the Wesley United Methodist Church and a longtime member of the Charleston Rotary Club where he was a Paul Harris Fellow.

Dr. Klehm will be missed by the faculty and staff of the School of Technology. He is best remembered, in recent years, for his memorable stories and quotes which he shared with all at the annual Scholarship and Awards Program. One favorite quote of Dr. Klehm's was from Walter Heiby:

"Beware of a great human weakness—that of keeping a receptive mind to those negative thinkers who offer us their brand of mental disease. Let's seek the company of those who look on the bright side of things—those who know good things are possible—those who work to make good things come true instead of reciting reasons why these things cannot be achieved."

Memorials may be made to the Walter A. Klehm Industrial Arts Education Award through the Eastern Illinois University Foundation.



Student Awards and Organizations...

SME Activities Foster Membership

The 1998/99 academic year was very successful for Eastern Illinois University's SME student chapter S151. The chapter had many goals that included increasing membership and student participation, preparing for the certification exam, and establishing a closer relationship with the Decatur, Illinois Professional Chapter 58.

Student members also took advantage of several plant tours and speakers hosted by local manufacturing firms. A few of the plants which members visited included: Caterpillar, Stevens Industries, Blaw-Knox, and MicroTek Patterns. The tours provided real world experiences related to manufacturing that the students might not have had an opportunity to experience within the classroom. Respectable speakers also enlightened students by relating personal experiences and offering advice on career development.

The year ended with a picnic and golf outing, better known as Golf-n-Goat. The thirteenth annual event offered food, games, entertainment, and, of course, golf, as well as an opportunity for faculty, students, alumni, and business professionals to intermingle. Overall, student chapter S 151 succeeded in its goal to achieve a successful year.

Newsworthy Abstract by;

Adam Fedenia - SME Student Chairman

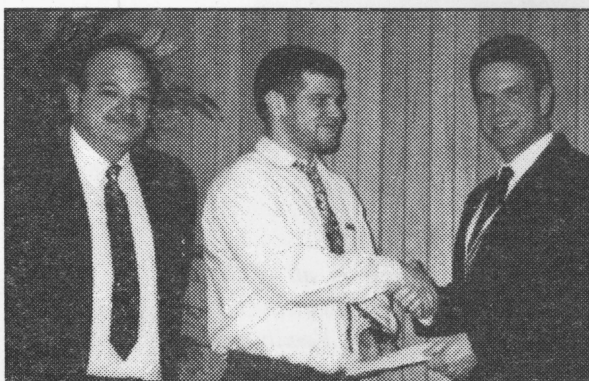
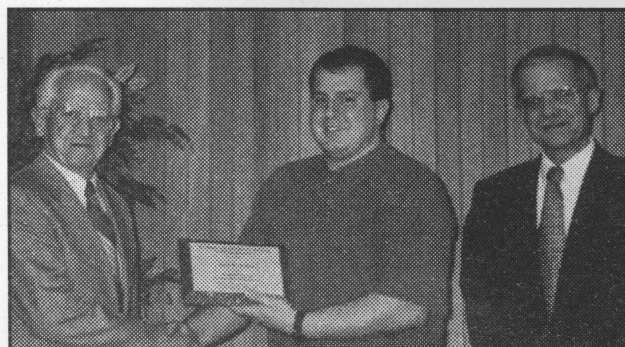
Mark Butler - SME Student Vice Chairman

Mark Schweiss - SME Student Treasurer

Mandy Buckley - SME Student Secretary

New Scholarships Awarded at Annual Luncheon

At the awards luncheon Mr. Kenneth Kobanzo and Keith Kobanzo presented Ryan Feters with the Kenneth and Keith Kobanzo Industrial Technology Scholarship.



Mr. Nelson Mosley and Ronald O. Fishel, student chapter liaisons for SME Chapter 58 in Decatur, presented Ed Becker with the SME Scholarship sponsored by their organization.

Eleven students received scholarships for the 1999-2000 academic year. The awards were presented at an awards luncheon held April 21, 1999. Douglas S. Hettinger of Tuscola won the Lois E. Elliott Industrial Technology Scholarship, Lance C. Becker of Peoria was the recipient of the Charles A. Elliott Technology Education Award and Christopher Kessler of Mattoon won the Lucille M. Klehm Technology Education Award.

Eric T. Wahls of Gibson City and Michele Secor of Hoffman Estates won the Walter A. Klehm Industrial Technology Awards.

Jay A. Wolfe of Martinsville, Tama Buenker of Teutopolis and John M. Cook from Fisher were awarded Roy E. Ehrsam Scholarships and the School of Technology Alumni Scholarship was presented to Gregory D. Lockhart of Staunton.

Ryan L. Feters of Charleston was the recipient of the Kenneth and Keith Kobanzo Industrial Technology Scholarship and Ed B. Becker of Peoria won the SME Scholarship.

At the annual awards luncheon, Dr. Ted Ivarie presented professor Mahyar Izadi and secretary, Sonna Lawrence with Bell Ringer Awards and departmental plaques for their work in preparing for the NAIT reaccreditation visit.



Graduate Students and Research Grants Enhance School's Goals

Graduate Assistants

Seven graduate assistants and a research assistant provided support for the School of Technology faculty this year.

Jason Fox, from Mattoon, Illinois supervised the communication lab. He supervised students using the new four-color screen printing station as well as the new direct-to-press unit. Jason recently accepted a position as an instructor at Effingham High School.

Mark Butler was assigned to the polymers, material testing lab, and metrology labs.

Jia Sun was responsible for the mechanical systems lab. She helped maintain the equipment, coordinated lab activities, and supervised the lab during open lab hours. Jia, who is from China, plans to use the new emerging manufacturing technology and information systems to support the function of industry upon graduation.

Niles Dufrenne was assigned to the CAD/CNC lab this year. He is from Ellis Grove, Illinois and upon graduation would like to obtain a position in a manufacturing setting.

Jason Kirby supervised the production lab this year. He is from Farmer City, Illinois and is a member of NAIT and SME as well as several other organizations. He would like to teach at a university sometime in the future.

T. J. Kuhl was the graduate assistant in the energy lab. He has also been researching proprietary additives for improving oxidation resistance of ultra high molecular weight polyethylene as orthopedic implants.

Cliff Schrader was a research assistant working with Dr. Mahyar Izadi for the Thomas Monahan Company. Cliff is from Cutler, Illinois and would like to teach in a college environment upon graduation.

Research Grants

A grant from the National Science Foundation enabled the School of Technology to establish a scanning electron microscopy lab. The lab now possesses a state-of-the-art variable pressure scanning electron microscope (SEM) and energy dispersive spectrometry (EDS) systems. Unlike the conventional SEM, the HITACHI 3500N is able to observe non-conductive or biological samples without any prior coating. The SEM is widely used to study materials structure and help prevent component failures in industry.

Another National Science Foundation grant has enabled the School to acquire a DMP 2000 computer-to-plate unit. The unit, which will be installed this summer, will make the School of Technology's graphic communication lab the most up-to-date in prepress technologies in the state.

100% Pass Rate for Exam

The Industrial Technology Program had a 100 percent pass rate for eight students, all seniors, who took the Certified Manufacturing Technologist exam in November. "This is the first time we've had a 100 percent (pass rate). In the past, we were close, 75 to 80 percent," said Mori Toosi, professor in the School of Technology and a certified manufacturing engineer. He said the test covers the basics of engineering, including such topics as electronics, machine design, plant layout, manufacturing, chemistry, physics, manufacturing and computer aided designs.

In an editorial published in the Feb. 26, 1999, edition of the Daily Eastern News, the Industrial Technology Program was praised for proving "it generates a superb education to its students." The editorial

points out that not only are the test results beneficial to the students, but to the university. "The more students hired out of the Industrial Technology Program, the more students will be enticed to enter Eastern's industrial technology program. The 100 percent pass rate is just another example of the fine education students receive at Eastern," says the opinion writer.

Students begin preparation for the test as soon as they enter the department because it is very general and covers different topics. This year their preparation was expanded to include plant tours and more technical speaker presentations.

"The test is very general. They have absolutely no idea what is going to be there," Toosi said. Students can use reference materials for the test, but Toosi says it is important for the

students to pick good materials. There is also a study guide to assist students in test preparation. Students can take the test at any time, but they can only take it twice.

Once students pass the exam and obtain five years of work experience, they have the opportunity to take a three-hour more specific test in one of the areas to become a Certified Manufacturing Engineer. Toosi says the manufacturing engineer certification makes students more employable because this shows employers the skill level of the students. Last year about 50 community colleges, technical schools, colleges and universities offered the exam to students.



Alumni News...

Bob McElwee has been named advertising and promotions manager at Illinois Consolidated Telephone Company. McElwee received a master's degree in technology ('84) at Eastern Illinois University after completing a bachelor's degree in journalism. He has more than 20 years of advertising experience, including print, video, photography, design, layout and writing with a special interest in electronic media.

He previously owned and operated Phoenix Publishing in Champaign which originally published books, catalogs and brochures, eventually expanding to include CD ROM and web site development. He has taught courses in advertising, photography and journalism at EIU as well as serving as advisor to the student yearbook staff.

Janet Meyer of Effingham and alumna of the Eastern Illinois University School of Technology has been selected

as the new executive director of the Mattoon Chamber of Commerce.

Meyer earned her bachelor's degree in career occupations ('91) and master's degree in industrial technology ('96) with an emphasis on training and development at EIU after completing an associate's degree in dental hygiene at Lake Land College in Mattoon.

Meyer's previous work experiences include work in human resources management, public relations, marketing and sales, and real estate. Meyer said she has spent about 15 years, on and off, living in Mattoon.

Meyer is involved in several civic organizations including the Mattoon and Effingham Chambers of Commerce, Lake Land College Alumni Board, Eastern Illinois Association for Special Education, past president-elect of Human Resource Association of East Central Illinois and MGMA, a health

management group. "I'm hoping, given my diverse background, that I will be able to assist the chamber with their strategic planning already established as well as serving the members," Meyer said in an interview for the Mattoon Journal Gazette. "The business retention factor is important to this community. I want to be there for existing businesses as they prepare for new challenges," Meyer said. She said she is eager to learn more about the chamber's structure and responsibilities the office has to local tourism, midtown revitalization, economic development and more. "There will be some specific needs that employers will need to address and I hope they will rely upon the chamber as we enter the 21st Century."

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Editing and Design: Deborah Woodley
00141

